SOKKIA

FIELD
BOOK

Property of _____

_____

Address _____

_____

Telephone _____

INDEX

06-1   PARKING LOT   6/21/06

0.1 mile E ...
... S side
... rd.

New Haven arkose
Anticline !

Interbedded ...
arkose & maroon Arks
soils w/ rhizamorphs

28°

← Beds
S45°E
25° E

Reverse
Fault
N...

52°
N

Dip of
DIKE

0'1
6
126''
.62
.52
2.5
78,1

06-2

Road cut to New
Quinipiac U. Sports Complex
on Rocky Top.

0.2 mi SW of intersection
of Sherman & Whitney
Avenue
to intersection of
Access Road to pt.

New Haven Arkose

Interbeds of 2-3m
thick sheets of
lenticular & bedded
arkose
Fiver grained red
v/g ss ~1757
shale w silts der.
(Caliche chromorph?)

maroon ss
often m.....us
w/ x calc..f
...me co..
calich......... on
some ...l.

nice rhizomorphs
soil disruption

rare silicified pl. stems

beautiful rooting
traces on b.p.s
at upper end of
cut

INCIPIENT peds

Tops of some
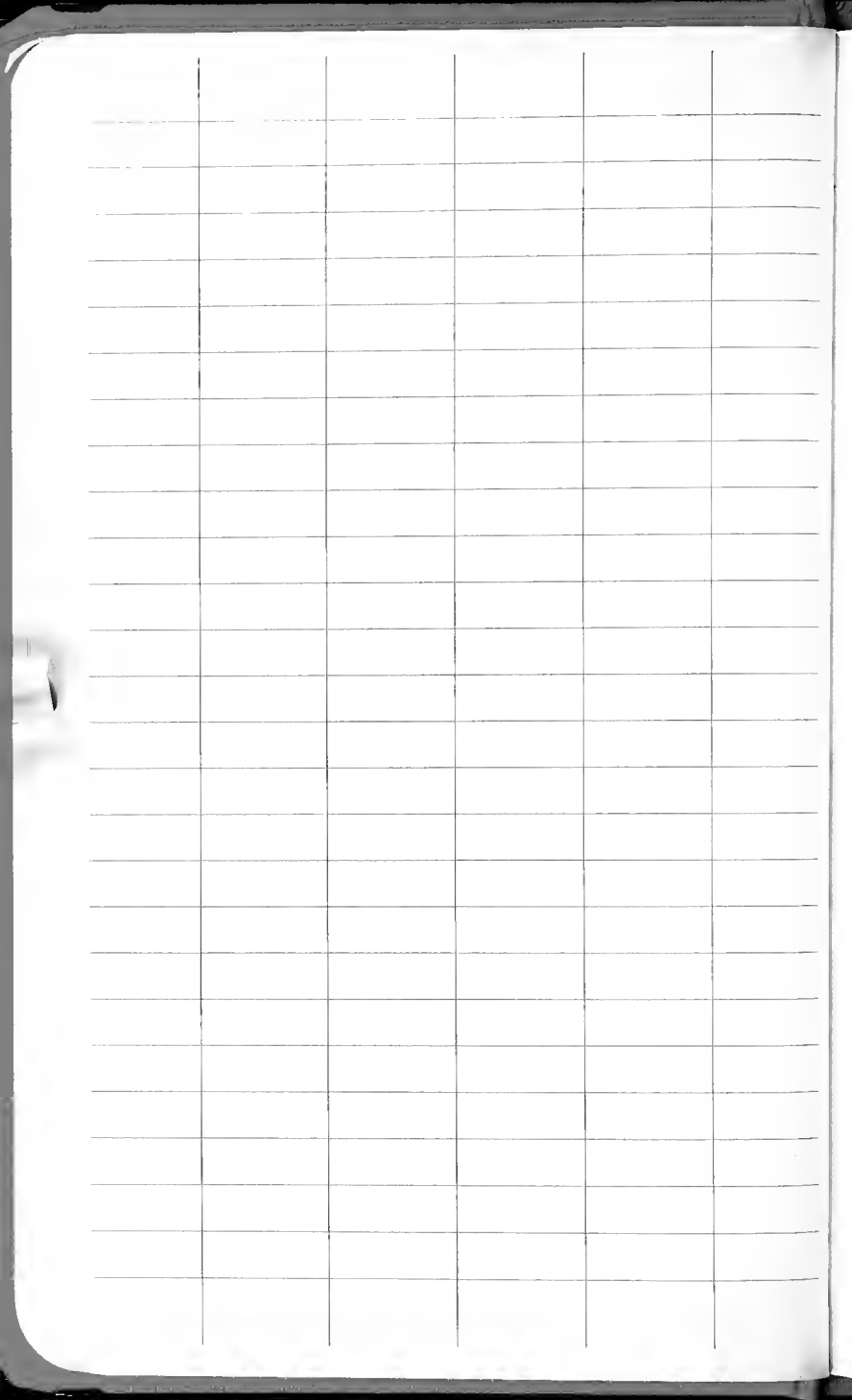maroon beds w/
INTRACLASTS w/
caliche oleps

limestone c/ASTS

2m

Grey
ss

Marrow
br

Strike S 40° W
23 E

6 cycles of
dep & cutting

Hydro___ ___ ___ ___
___ ___ ___
___ ___ ___

July 17, 2006

Metasequoia in Front
of NVDM, New Haven

$Cbh = 2.2\ m$ $dbh = \overset{70.3\ cm}{70.3}$

$HI\ 1.71\ m - 38\ s = 1.33$

dist 23.2 m
        1.71
       ——————
       24.9 m

$Cbh = 2.2\ m$ $dbh = \underline{70.3\ cm}$ mer
                                                cm

$Inst\ h' = 1.33$
   Dist. True/Inst $= 23.2\ m$
                      1.33
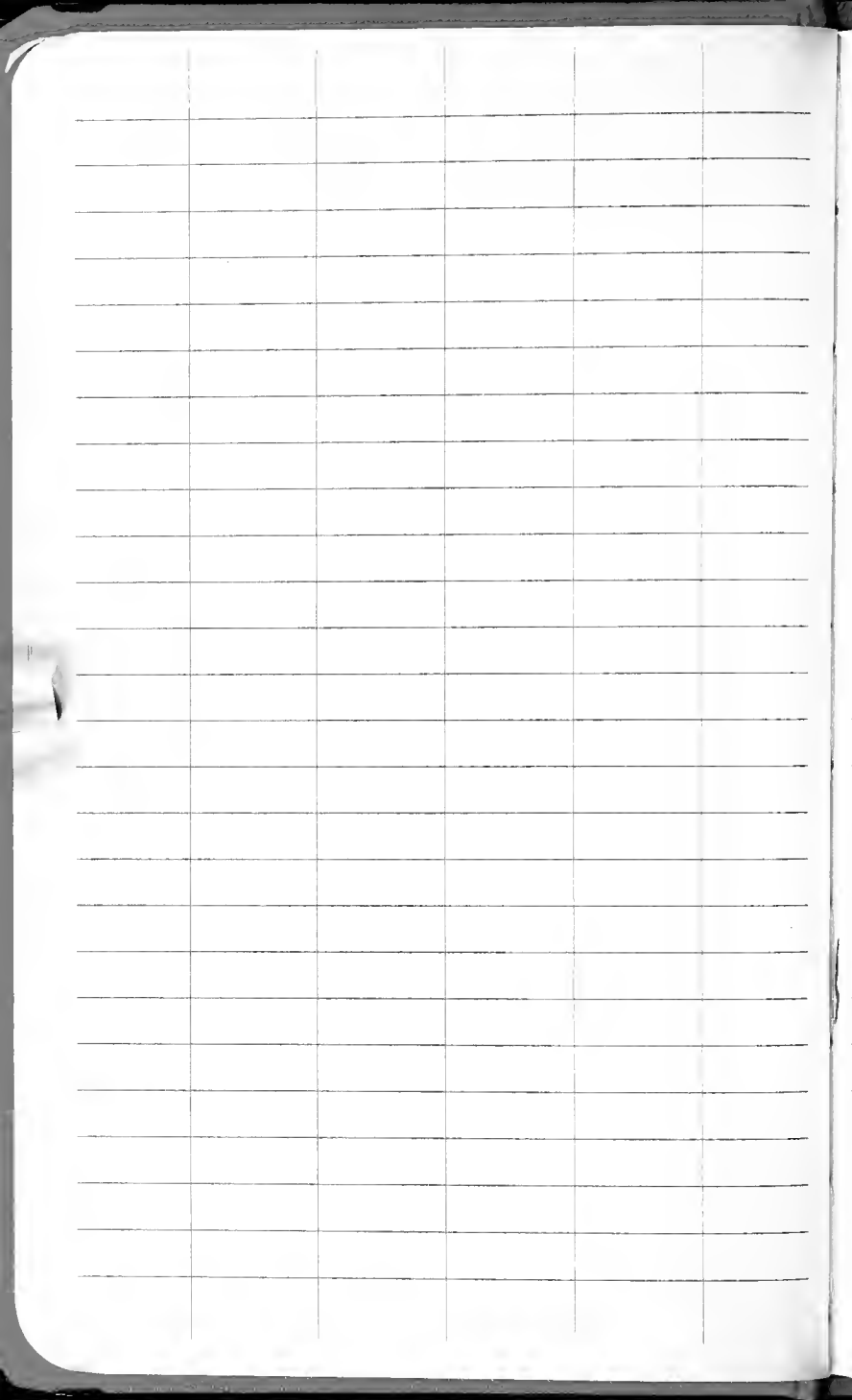   ————————
                     24.53

H tree $= 24.53\ m$
$dbh = 28''$ Height in. $= \underline{70.7'}$

8/24/06

WEST TODD
ANTICLINE   COMPASS @ 0°

① ON S NOSE of ANTICLINE
   ST 95° S 16°

   ST/STS, Mud ST
         Arkose SS,
      & Caliche nodu...
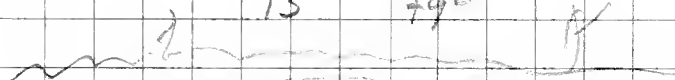
② Axis of Syncline
      15   74°

   TAN SS   CALICHE #4

   MAROON   CALICHE #3

   MAROON mud ...

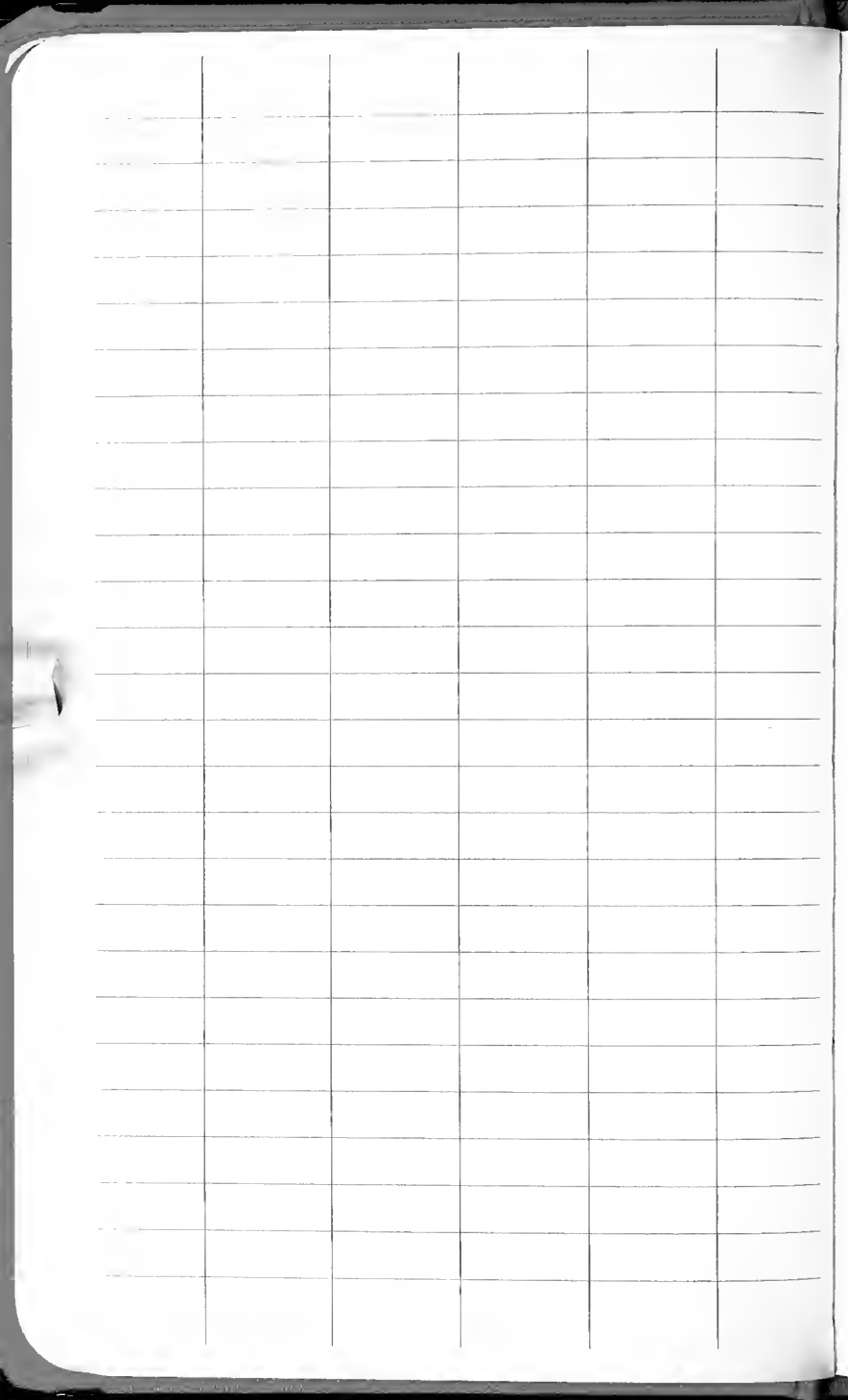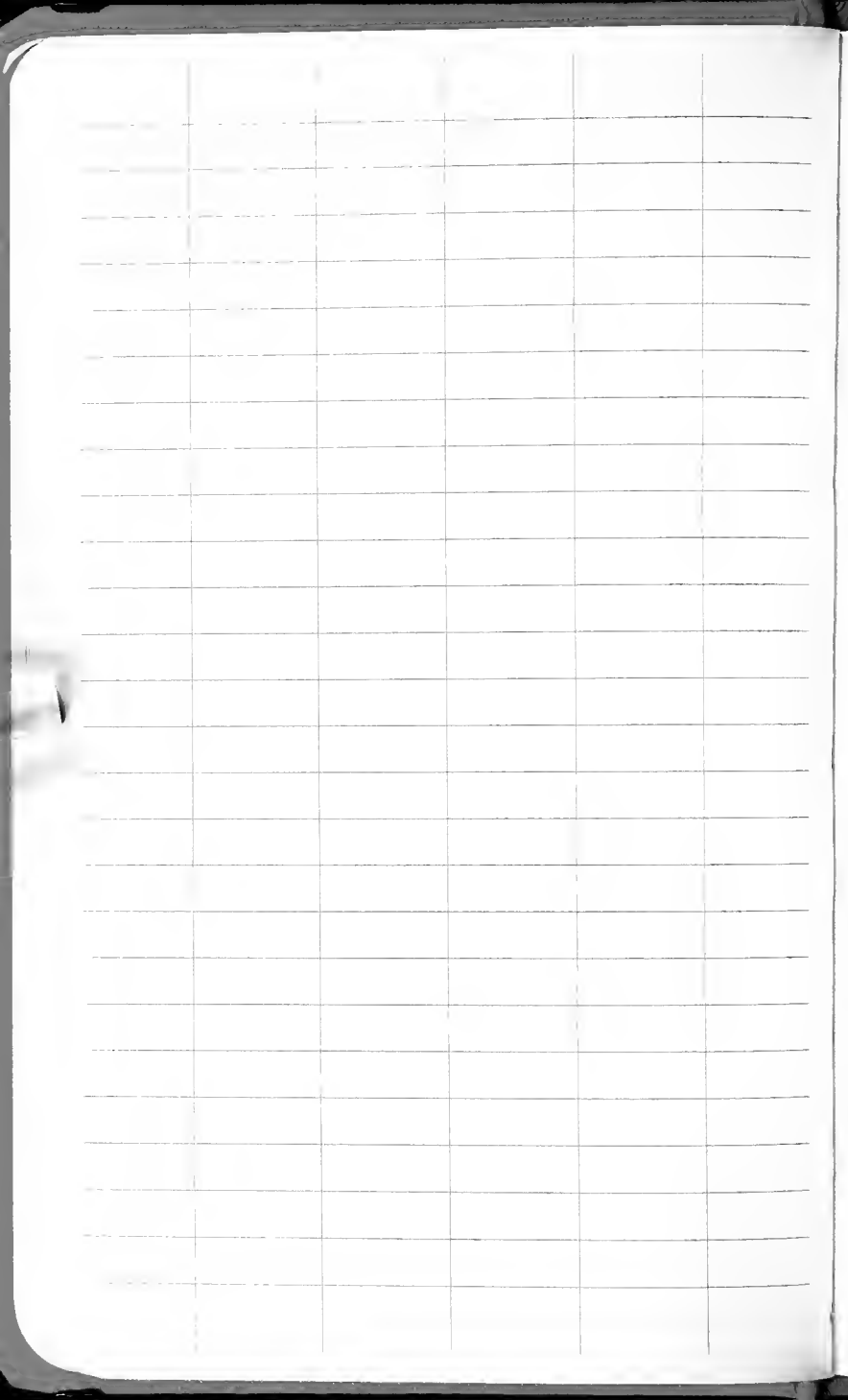   MAROON mud ...   CALICHE #2

                         I 2 m. CALICHE
                                    # 1

③ STRIKE & DIP N lim.
   355° & 15° N DIP

8/24/06
Sherman Ave Site

- Upper end.
  - maroon murst
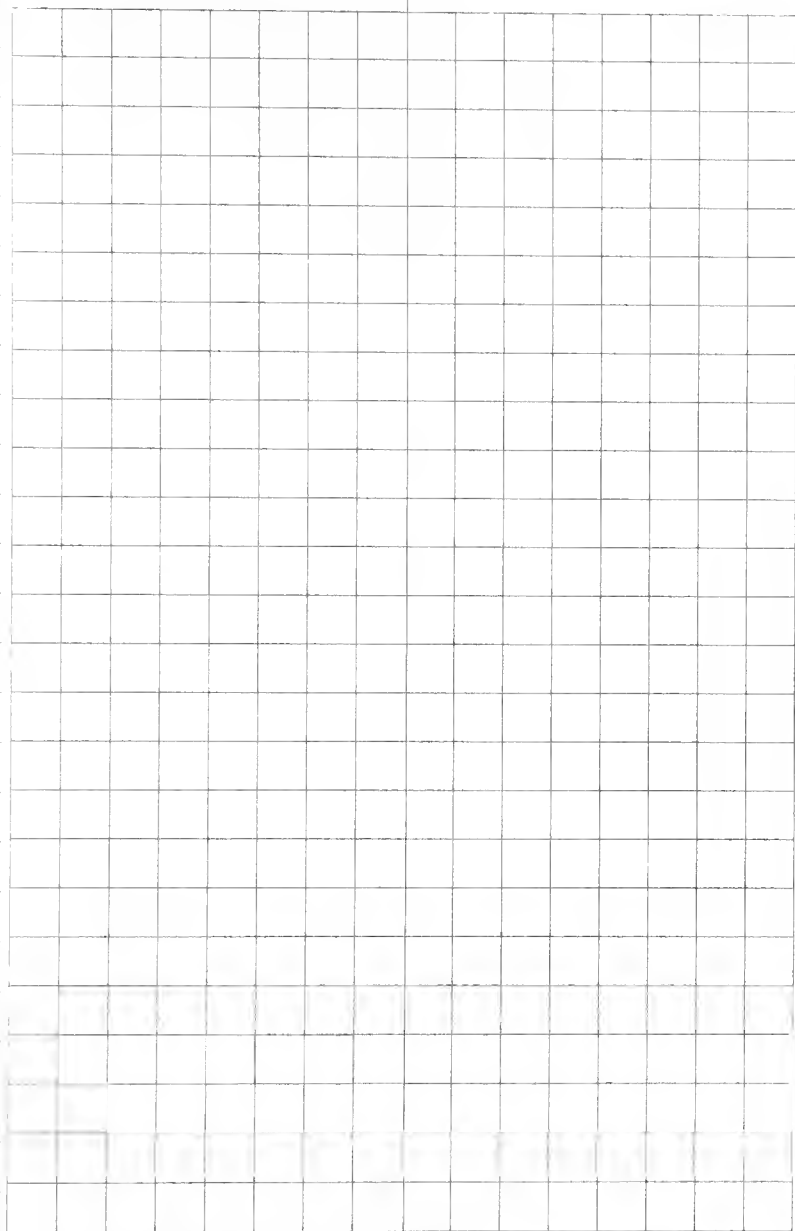
INDEX OF
CURVE AND REDUCTION TABLES

SOKKIA™   FIELD BOOKS

Rain-resistant fine quality ledger paper, bound in high-visibility durable yellow imitation leather. Printed in waterproof ink.

Stock No. 8152-00   Transit Field Book. Size $4^1/2$ x $7^1/4$ inches.

Stock No. 8152-05   Economy Field Book. Spiral bound, Paperback. Size $4^1/2$ x $7^1/4$ inches.

Stock No. 8152-10   Economy Field Book. Same as above except saddle stitched (stapled).

Left page   blue horizontal lines; red vertical lines.
Right page   4 horizontal and 8 vertical blue lines; red vertical center line.

*****

Stock No. 8152-20   Mining Transit Book. Size $4^1/2$ x $7^1/4$ inches.

Left page   blue horizontal lines; red vertical center line.
Right page   8 x 8 blue lines; red vertical lines.

*****

Stock No. 8152-30   Engineers Field Book. Size $4^1/2$ x $7^1/4$ inches.

Left page   blue horizontal lines; red vertical lines.
Right page   10 x 10 blue lines; red vertical center line. Inch lines heavy.

*****

Stock No. 8152-50   Level Book Size 4 x $6^1/2$ inches.
Stock No. 8152-55   Level Book Size $4^1/2$ x $7^1/4$ inches.
Both pages   blue horizontal lines; red vertical lines. 6 vertical columns.

*****

Stock No. 8152-60   Field Book. Size $4^1/2$ x $7^1/4$ inches.
Left page   blue horizontal lines; red vertical lines.
Right page   4 x 4 blue lines; red vertical center line.

*****

Stock No. 8152-75   Cross Section Book. Size $6^1/2$ x $8^1/2$ inches.
Both pages   10 x 10 blue lines; inch lines slightly heavier.

*****

Stock No. 8152-80   Duplicating Transit Book. Size $4^1/2$ x $7^1/4$ inches.
Left page   blue horizontal lines; red vertical lines.
Right page   4 horizontal and 8 vertical blue lines; red vertical center line. Pages numbered and perforated. Carbon paper.

CURVE FORMULAE

D   = Degree of Curve
1°   = 1-Degree of Curve
2°   = 2-Degree of Curve
P.C. = Point of Curve
P.T. = Point of Tangent
P.I. = Point of Intersection
I   = Intersection of Angle, Angle
       between Two Tangents
L   = Length of Curve,
       from P.C. to P.T.
T   = Tangent Distance
E   = External Distance
R   = Radius
L.C. = Length of Chord
M   = Length of Middle Ordinate
c   = Length of Sub-Chord
d   = Angle of Sub-Chord
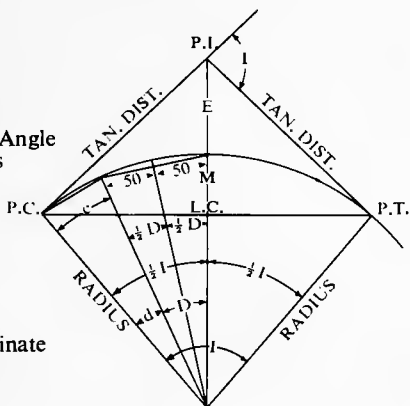
$$R = \frac{L.C.}{2 \sin \frac{1}{2} I} \quad T = R \tan \frac{1}{2} I = \frac{L.C.}{2 \cos \frac{1}{2} I}$$

$$\frac{L.C.}{2} = R \sin \frac{I}{2}, \quad D\,1° = R = 5730, \quad D\,2° = \frac{5730}{2}, \quad D = \frac{5730}{R}$$

$$M = R\left(1 - \cos \frac{1}{2} I\right), = R - R \cos \frac{I}{2}$$

$$\frac{E + R}{R} = \sec \frac{I}{2}, \quad \frac{R - M}{R} = \cos \frac{I}{2}$$

$$c = 2 R \sin \frac{1}{2} d, \quad d = \frac{c}{2R}$$

$$L.C. = 2 R \sin \frac{1}{2} I, \quad E = R\left(\sec \frac{1}{2} I - 1\right), = R \sec \frac{I}{2} - R$$

Minutes in Decimals of a Degree

1'	·0167	11'	·1833	21'	·3500	31'	·5167	41'	·6833	51'	·8500
2	·0333	12	·2000	22	·3667	32	·5333	42	·7000	52	·8667
3	·0500	13	·2167	23	·3833	33	·5500	43	·7167	53	·8833
4	·0667	14	·2333	24	·4000	34	·5667	44	·7333	54	·9000
5	·0833	15	·2500	25	·4167	35	·5833	45	·7500	55	·9167
6	·1000	16	·2667	26	·4333	36	·6000	46	·7667	56	·9333
7	·1167	17	·2833	27	·4500	37	·6167	47	·7833	57	·9500
8	·1333	18	·3000	28	·4667	38	·6333	48	·8000	58	·9667
9	·1500	19	·3167	29	·4833	39	·6500	49	·8167	59	·9833
10	·1667	20	·3333	30	·5000	40	·6667	50	·8333	60	1·0000

Inches in Decimals of a Foot

$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
·0052	·0078	·0104	·0156	·0208	·0260	·0313	·0417	·0521	·0625	·0729

1	2	3	4	5	6	7	8	9	10	11
·0833	·1667	·2500	·3333	·4167	·5000	·5833	·6667	·7500	·8333	·9167

SOKKIA